



May 13, 2025

William Kotas  
Intertek PSI  
17 British American Boulevard  
Latham, NY 12110

RE: Project: BETHLEHEM CSD HS 4/25  
Pace Project No.: 70351209

Dear William Kotas:

Enclosed are the analytical results for sample(s) received by the laboratory on April 26, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Melville

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in cursive script that reads "Lori Beyer".

Lori A. Beyer  
lori.beyer@pacelabs.com  
516-370-6014  
Project Manager

Enclosures



## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.



## CERTIFICATIONS

Project: BETHLEHEM CSD HS 4/25

Pace Project No.: 70351209

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### **Pace Analytical Services, LLC - Melville, NY**

575 Broad Hollow Rd, Melville, NY 11747

Connecticut Certification #: PH-0435

Delaware Certification # NY 10478

Maryland Certification #: 208

Massachusetts Certification #: M-NY026

New Hampshire Certification #: 2987

New Jersey Certification #: NY158

New York Certification #: 10478 Primary Accrediting Body

Pennsylvania Certification #: 68-00350

Rhode Island Certification #: LAO00340

Texas Certification #: T104704582

Florida Certification #: E871198

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## SAMPLE SUMMARY

Project: BETHLEHEM CSD HS 4/25

Pace Project No.: 70351209

Lab ID	Sample ID	Matrix	Date Collected	Date Received
70351209001	HS KITCHEN KETTLE 2	Drinking Water	04/25/25 06:43	04/26/25 08:30

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## SAMPLE ANALYTE COUNT

Project: BETHLEHEM CSD HS 4/25

Pace Project No.: 70351209

Lab ID	Sample ID	Method	Analysts	Analytes Reported
70351209001	HS KITCHEN KETTLE 2	EPA 200.8	JP2	1

PACE-MV = Pace Analytical Services - Melville

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## ANALYTICAL RESULTS

Project: BETHLEHEM CSD HS 4/25

Pace Project No.: 70351209

<b>Sample: HS KITCHEN KETTLE 2</b>		<b>Lab ID: 70351209001</b>	Collected: 04/25/25 06:43	Received: 04/26/25 08:30	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>200.8 MET ICPMS Drinking Water</b>		Analytical Method: EPA 200.8 Pace Analytical Services - Melville						
Lead	2.6	ug/L	1.0	1		05/12/25 15:02	7439-92-1	

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## QUALITY CONTROL DATA

Project: BETHLEHEM CSD HS 4/25

Pace Project No.: 70351209

QC Batch: 398596

Analysis Method: EPA 200.8

QC Batch Method: EPA 200.8

Analysis Description: 200.8 MET No Prep Drinking Water

Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70351209001

METHOD BLANK: 2102385

Matrix: Water

Associated Lab Samples: 70351209001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	<1.0	1.0	05/12/25 14:58	

LABORATORY CONTROL SAMPLE: 2102386

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	50	51.1	102	85-115	

MATRIX SPIKE SAMPLE: 2102388

Parameter	Units	70352260001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	<1.0	100	85.1	84	70-130	

MATRIX SPIKE SAMPLE: 2102391

Parameter	Units	70352260002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	<1.0	100	74.1	74	70-130	

SAMPLE DUPLICATE: 2102387

Parameter	Units	70352260001 Result	Dup Result	RPD	Max RPD	Qualifiers
Lead	ug/L	<1.0	<1.0		20	

SAMPLE DUPLICATE: 2102390

Parameter	Units	70352260002 Result	Dup Result	RPD	Max RPD	Qualifiers
Lead	ug/L	<1.0	<1.0		20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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## QUALIFIERS

Project: BETHLEHEM CSD HS 4/25

Pace Project No.: 70351209

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### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BETHLEHEM CSD HS 4/25  
Pace Project No.: 70351209

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70351209001	HS KITCHEN KETTLE 2	EPA 200.8	398596		

REPORT OF LABORATORY ANALYSIS





Pace\* Location Requested (City/State):  
Pace Analytical Long Island NY  
575 Broad Hollow Rd, Melville, NY 11747

# CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

Company Name: Intertek-PSI  
Street Address: 17 British American Blvd, Latham, NY 12110

Contact/Report To: William Kotas  
Phone #: (518) 377-9841  
E-Mail: [william.kotas@intertek.com](mailto:william.kotas@intertek.com)  
Cc E-Mail:

Customer Project #: 08215506  
Project Name: Bethlehem CSD

Invoice To: PSI Latham Accounts Payable  
Invoice E-Mail: [LathamAR@intertek.com](mailto:LathamAR@intertek.com)

Site Collection Info/Facility ID (as applicable):  
High School

Purchase Order # (if applicable):  
Quote #:

CR-BOCES

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET  
Data Deliverables:

[ ] Level II [ ] Level III [ ] Level IV  
[ ] EQUIS  
[ ] Other

Rush (Pre-approval required):  
[ ] 2 Day [ ] 3 day [ ] 5 day [ ] Other  
Date Results Requested: Standard 10 business day

DW PWSID # or WW Permit # as applicable:  
Field Filtered (if applicable): [ ] Yes [ ] No  
Analysis:

\* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Other (OT), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk

Customer Sample ID  
Matrix\*  
Comp / Grab  
Date  
Time

HS KITCHEN KETTLE 2  
DW  
G  
4/25/2025  
6:43

Res. CLZ  
Date  
Time

Number & Type of Containers  
Plastic  
Glass

1  
1  
X

200.8 Drinking Water (Pb only)

Pro: Mgr:  
AcctNum / Client ID:  
Table #:  
Profile / Template:  
Prelog / Bottle Ord. ID:

Sample Comment

Preservation non-conformance identified for sample.

\*\*Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) Other

\*\*\* Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Identify Container Preservative Type \*\*\*

Specify Container Size \*\*

Analysis Requested

Additional Instructions from Pace\*:

Collected By: William A. Kotas  
Printed Name: William A. Kotas  
Signature: *W. Kotas*

Received by/Company: (Signature)  
Date/Time: 4/25/25 10:04  
Received by/Company: (Signature)  
Date/Time: 4/25 10:04

Received by/Company: (Signature)  
Date/Time: 4/26/25 8:30  
Received by/Company: (Signature)  
Date/Time: 4/26/25 8:30

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace\* Terms and Conditions found at <https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/>

WO#: 70351209



70351209

# Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp. (°C) Corrected Temp. (°C)

Tracking Number: Date/Time: 4/25 10:00

Delivered by: [ ] In-Person [ ] Courier

Date/Time: 4/25 12:00 PM

Date/Time: 4/26/25 8:30

Page: 1 of 1

ENV-FRM-CORQ-0019\_v01\_082123 ©

WO#: 70351209

Client Name: INTERLATHAM Project # \_\_\_\_\_  
Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☒ Commercial ☐ Pace ☐ Other  
Tracking #: \_\_\_\_\_

PM: LAB Due Date: 05/12/25  
CLIENT: INTER-LATHAM

Custody Seal on Cooler/Box Present: ☐ Yes ☒ No Seals intact: ☐ Yes ☒ No Temperature Blank Present: ☐ Yes ☒ No  
Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☒ Ziploc ☐ None ☐ Other Type of Ice: ☒ Wet ☐ Blue ☐ None  
Thermometer Used: TH2-11 Correction Factor: 10.2 ☐ Samples on ice, cooling process has begun  
Cooler Temperature(°C): 1.7 Cooler Temperature Corrected(°C): 1.9 Date/Time 5035A kits placed in freezer \_\_\_\_\_  
Temp should be above freezing to 6.0°C

USDA Regulated Soil ( ☒ N/A, water sample)

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or  
VA (check map)? ☐ Yes ☒ No

Did samples originate from a foreign source including Hawaii and Puerto Rico)? ☐ Yes ☒ No

If Yes to either question, fill out a Regulated Soil Checklist (ENV-FRM-MELV-0076) and include with SCUR/COC paperwork.

Date and Initials of person examining contents: MR 4/28

	COMMENTS:
Chain of Custody Present: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	1.
Chain of Custody Filled Out: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2.
Chain of Custody Relinquished: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3.
Sampler Name & Signature on COC: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
Short Hold Time Analysis (<72hr): <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	6.
Rush Turn Around Time Requested: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume: (Triple volume provided for MS/MSD) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8.
Correct Containers Used: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Containers Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	11.
Filtered volume received for Dissolved tests <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Note: if sediment is visible in the dissolved container.
Sample Labels match COC: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	12.
-Includes date/time/ID/Analysis Matrix: <input checked="" type="checkbox"/> SL <input type="checkbox"/> WT <input type="checkbox"/> OIL <input type="checkbox"/> OTHER	

Date and Initials of person checking preservation: MR 4/28

All containers needing preservation have been <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13. <input type="checkbox"/> HNO <sub>3</sub> <input type="checkbox"/> H <sub>2</sub> SO <sub>4</sub> <input type="checkbox"/> NaOH <input type="checkbox"/> HCl
pH paper Lot # <u>231224</u>	Sample #
All containers needing preservation are found to be in compliance with method recommendation? (HNO <sub>3</sub> , H <sub>2</sub> SO <sub>4</sub> , HCl, NaOH>9 Sulfide, <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A)	
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water).	
Per Method, VOA pH is checked after analysis	
Samples checked for dechlorination: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Initial when completed: Lot # of added preservative: Date/Time preservative added:
KI starch test strips Lot #	14. Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #	15. Positive for Sulfide? Y N
SM 4500 CN samples checked for sulf <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Lead Acetate Strips Lot #	
Headspace in ALK Bottle (>6mm): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	16.
Headspace in VOA Vials (>6mm): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	17.
Trip Blank Present: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Trip Blank Custody Seals Present <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: \_\_\_\_\_

Date/Time: \_\_\_\_\_

Comments/ Resolution: \_\_\_\_\_

\* PM (Project Manager) review (which includes the SCUR) is documented electronically in LIMS.